

10/580,173

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FILE LAST UPDATED: 29 Mar 2009 (20090329/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que

L1 74 SEA FILE=CAPLUS MOXIFLOXACIN(W)HYDROCHLORIDE

L2 13 SEA FILE=CAPLUS L1 AND CRYSTAL?

=> d l2 1-13 ibib abs hitstr

L2 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1396859 CAPLUS

DOCUMENT NUMBER: 149:556602

TITLE: Process for the preparation of Moxifloxacin hydrochloride

INVENTOR(S): Ludescher, Johannes; Pise, Abhinay Chandrakant; Holkar, Anil Ganpat; Metkar, Shashikant

PATENT ASSIGNEE(S): Sandoz A.-G., Switz.

SOURCE: PCT Int. Appl., 36pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2008138759	A1	20081120	WO 2008-EP55300	20080430
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,			

PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,  
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,  
 IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,  
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,  
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,  
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

EP 1992626 A1 20081119 EP 2007-107963 20070510  
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR,  
 AL, BA, HR, MK, RS

PRIORITY APPLN. INFO.: EP 2007-107963 A 20070510  
 OTHER SOURCE(S): CASREACT 149:556602

AB The present invention relates to a process for the preparation of  
 Moxifloxacin hydrochloride monohydrate. For example,  
 reaction of 1-cyclopropyl-6,7-difluoro-1,4-dihydro-8-methoxy-4-oxo-3-  
 quinolinecarboxylic acid with (S,S)-2,8-diazabicyclo[4.3.0]nonane gave  
 Moxifloxacin base in 90% yield. Reaction of Moxifloxacin with  
 L-(+)-tartaric acid, Di-p-toluoyl L-(+)-tartaric acid or fumaric acid,  
 gave its corresponding salts, which produced Moxifloxacin•HCl after  
 further stirred with concentrated HCl.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1391817 CAPLUS

DOCUMENT NUMBER: 149:556601

TITLE: Process for the preparation of Moxifloxacin  
 hydrochloride

PATENT ASSIGNEE(S): Sandoz A.-G., Switz.

SOURCE: Eur. Pat. Appl., 24pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1992626	A1	20081119	EP 2007-107963	20070510
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
WO 2008138759	A1	20081120	WO 2008-EP55300	20080430
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2007-107963 A 20070510

AB The present invention relates to a process for the preparation of  
 Moxifloxacin hydrochloride monohydrate. For example,  
 reaction of 1-cyclopropyl-6,7-difluoro-1,4-dihydro-8-methoxy-4-oxo-3-

quinolinecarboxylic acid with (S,S)-2,8-diazabicyclo[4.3.0]nonane gave Moxifloxacin base in 90% yield. Reaction of Moxifloxacin with L-(+)-tartaric acid, Di-p-toluoyl L-(+)-tartaric acid or fumaric acid, gave its corresponding salts, which produced Moxifloxacin•HCl after further stirred with concentrated HCl.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:974739 CAPLUS  
DOCUMENT NUMBER: 149:231489  
TITLE: Crystalline form of moxifloxacin base  
INVENTOR(S): Palomo Nicolau, Francisco Eugenio; Villasante Prieto, Javier  
PATENT ASSIGNEE(S): Quimica Sintetica, S. A., Spain  
SOURCE: PCT Int. Appl., 22pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008095964	A1	20080814	WO 2008-EP51468	20080206
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
ES 2311391	A1	20090201	ES 2007-367	20070207
PRIORITY APPLN. INFO.:			ES 2007-367	A 20070207

AB The present invention relates to a crystalline form of moxifloxacin base, to a process for its preparation, to pharmaceutical compns. containing it, and to its

use as an antibacterial agent. Crude moxifloxacin was suspended in water and pH was adjusted to >11 with 30% sodium hydroxide. The basified solution was washed with toluene and then pH adjusted to 8.0-8.2 with 35% HCl. Thereafter, the reaction mixture was extracted with methylene chloride and the resulting organic layer was dried. The solid thus obtained was recrystd. from acetonitrile to afford crystalline moxifloxacin base.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:619355 CAPLUS  
DOCUMENT NUMBER: 148:585741  
TITLE: Process for preparation of moxifloxacin hydrochloride and a novel polymorph thereof  
INVENTOR(S): Satyanarayana Reddy, Manne; Nagaraju, Chakilam; Thirumalai Rajan, Srinivasan; Kodanda Ramprasad, Achampeta; Satyanarayana, Revu  
PATENT ASSIGNEE(S): Msn Laboratories Limited, India

SOURCE: PCT Int. Appl., 42pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008059521	A2	20080522	WO 2007-IN448	20070927
WO 2008059521	A3	20080828		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
IN 2006CH02111	A	20081128	IN 2006-CH2111	20061114
IN 2007CH01345	A	20090102	IN 2007-CH1345	20070625
PRIORITY APPLN. INFO.:			IN 2006-CH2111	A 20061114
			IN 2007-CH1345	A 20070625

OTHER SOURCE(S): CASREACT 148:585741; MARPAT 148:585741

AB The present invention relates to a process for the preparation of moxifloxacin hydrochloride, an anhydrous form of moxifloxacin hydrochloride, and a novel crystalline form of moxifloxacin. For example, 1-cyclopropyl-6,7-difluoro-8-methoxy-4-oxo-1,4-dihydro-3-quinolinecarboxylic acid was reacted with (S,S)-2,8-diazabicyclo[4.3.0]nonane in presence of DBU in acetonitrile at 85 °C for 12 h. Acetonitrile was distilled off under reduced pressure at below 70 °C and water was added after the reaction mixture was cooled to 60 °C. The pH of the reaction mixture was adjusted to 5.8 with hydrochloric acid, then extracted with methylene chloride. Methylene chloride was distilled off under reduced pressure, then acetone was added to the obtained residue, and the reaction mixture was stirred for 30 min at 25-30 °C. The obtained solid was filtered, washed with acetone, dried at 60 °C, and recrystd. by with acetone to give moxifloxacin as form-I crystals. The present invention also relates to a process for packaging and storage of hygroscopic anhydrous moxifloxacin hydrochloride powder to moisture absorption and increase the stability of the compound and increase its shelf life.

L2 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:319945 CAPLUS  
 DOCUMENT NUMBER: 148:315380  
 TITLE: Crystalline form of moxifloxacin hydrochloride for dosage forms  
 INVENTOR(S): Palomo Nicolau, Francisco; Villasante Prieto, Javier  
 PATENT ASSIGNEE(S): Quimica Sintetica, S. A., Spain  
 SOURCE: PCT Int. Appl., 17pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2008028959	A1	20080313	WO 2007-EP59397	20070907
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
ES 2303768	A1	20080816	ES 2006-2303	20060908
PRIORITY APPLN. INFO.:			ES 2006-2303	A 20060908
AB The present invention refers to a new stable crystalline form of moxifloxacin hydrochloride, to a process of its preparation and to its use in the preparation of pharmaceutical compns. A process for preparation of crystalline form of moxifloxacin hydrochloride comprises steps of (i) dissolving crude moxifloxacin hydrochloride in a mixture of methanol/water by heating at the reflux temperature; (ii) adding acetone and to heat the dissoln. at a temperature of 40-45°; (iii) cooling to a temperature of 15-25°; (iv) separating the crystals formed by filtration; and (v) washing and drying the obtained product until a constant weight				
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				
L2 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN				
ACCESSION NUMBER: 2007:412746 CAPLUS				
DOCUMENT NUMBER: 148:456475				
TITLE: New crystalline form of moxifloxacin hydrochloride				
INVENTOR(S): Dandala, Ramesh; Mitra, Jayati; Gupta, Arun Kumar; Sivakumaran, Meenakshi Sunderam				
PATENT ASSIGNEE(S): Aurobindo Pharma Limited, India				
SOURCE: Indian Pat. Appl., 16pp. CODEN: INXXBQ				
DOCUMENT TYPE: Patent				
LANGUAGE: English				
FAMILY ACC. NUM. COUNT: 1				
PATENT INFORMATION:				

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
IN 2005CH00115	A	20070316	IN 2005-CH115	20050211
PRIORITY APPLN. INFO.:			IN 2005-CH115	20050211
AB The present invention relates to a new crystalline form of 1-Cyclopropyl-6-fluoro- 1,4-dihydro-8- methoxy- 7 -[ (4aS, 7aS)-octahydro-6H-pyrrolo[3,4-b ]pyridin-6-yl]-4- oxo-3-quinoline carboxylic acid hydrochloride herein called as Form A and process for preparing the moxifloxacin crystal form, and the incorporation of crystal Form A in a pharmaceutical composition				

L2 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2007:87277 CAPLUS

DOCUMENT NUMBER: 146:169364  
 TITLE: Preparation of crystalline forms of  
 moxifloxacin hydrochloride  
 INVENTOR(S): Reddy, Manne Satyanarayana; Nagaraju, Chakilam; Rajan,  
 Srinivasan Thirumalai; Ramprasad, Achampeta Kodanda  
 PATENT ASSIGNEE(S): MSN Laboratories Limited, India  
 SOURCE: PCT Int. Appl., 20pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007010555	A2	20070125	WO 2006-IN244	20060713
WO 2007010555	A3	20070412		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
IN 2005CH00948	A	20070727	IN 2005-CH948	20050715
PRIORITY APPLN. INFO.:			IN 2005-CH948	A 20050715
AB	Novel crystalline forms of moxifloxacin hydrochloride and process for preparation thereof. Moxifloxacin was prepared and converted to its HCl salt and a crystalline form of this compound was obtained.			

L2 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:1338270 CAPLUS  
 DOCUMENT NUMBER: 146:87575  
 TITLE: Crystalline form of moxifloxacin  
 hydrochloride and process for its preparation  
 INVENTOR(S): Dandala, Ramesh; Mitra, Jayati; Gupta, Arun Kumar;  
 Meenakshisunderam, Sivakumaran  
 PATENT ASSIGNEE(S): Aurobindo Pharma Limited, India  
 SOURCE: PCT Int. Appl., 22pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006134491	A2	20061221	WO 2006-IB1721	20060601
WO 2006134491	A3	20070510		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,			

SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
 VN, YU, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

IN 2005CH00721 A 20070727 IN 2005-CH721 20050614  
 PRIORITY APPLN. INFO.: IN 2005-CH721 A 20050614

AB The present invention relates to a new crystalline form of  
 1-cyclopropyl-6-fluoro-1, 4-dihydro-8-methoxy-7-[(4aS,7aS)-octahydro-6H-  
 pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-3-quinolinecarboxylic acid hydrochloride  
 with a moisture content below 2 % weight/weight The present invention also  
 relates to a process of preparing the new crystalline form.

L2 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:978280 CAPLUS

DOCUMENT NUMBER: 145:321836

TITLE: Method for manufacturing moxifloxacin  
 hydrochloride for injection

INVENTOR(S): Wu, Jianwen; Huang, Junqin; Jiang, Guangying

PATENT ASSIGNEE(S): Shanghai Medical Science and Technology Development  
 Co., Ltd., Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 6pp.  
 CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1704057	A	20051207	CN 2004-10024869	20040602
PRIORITY APPLN. INFO.:			CN 2004-10024869	20040602

AB The title method comprises: (1) dissolving moxifloxacin in water or  
 hydrochloric acid, decolorizing with active carbon for 30 min, removing  
 carbon, and removing bacteria by membrane filtration to obtain sterile  
 solution, and (2) crystallizing by using solvent or cooling at (-10)-10°C,  
 drying the crystals, and packaging. The moxifloxacin  
 hydrochloride for injection has the advantages of good stability,  
 and convenience to storage and transportation. The method has the  
 advantages of easy operation, low cost, and applicability to industrial  
 production

L2 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:771260 CAPLUS

DOCUMENT NUMBER: 146:263069

TITLE: Moxifloxacinium chloride-water-methanol (2/1/1), a  
 novel antibacterial agent

AUTHOR(S): Ravikumar, Krishnan; Sridhar, Balasubramanian

CORPORATE SOURCE: Laboratory of X-ray Crystallography, Indian Institute  
 of Chemical Technology, Hyderabad, 500 007, India  
 SOURCE: Acta Crystallographica, Section C: Crystal Structure  
 Communications (2006), C62(8), o478-o482

CODEN: ACSCEE; ISSN: 0108-2701

PUBLISHER: Blackwell Publishing Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Moxifloxacin, a novel fluoroquinolone with a broad spectrum of  
 antibacterial activity, is available as the solvated monohydrochloride

salt 7-[(S,S)-2-aza-8-azoniabicyclo[4.3.0]non-8-yl]-1-cyclopropyl-6-fluoro-8-methoxy-4-oxo-1,4-dihydroquinoline-3-carboxylic acid chloride-H<sub>2</sub>O-MeOH (2/1/1), C<sub>21</sub>H<sub>25</sub>FN<sub>3</sub>O<sub>4</sub>·Cl·0.5H<sub>2</sub>O·0.5CH<sub>3</sub>OH. The asym. unit contains 2 cations, 2 chloride ions, a mol. of H<sub>2</sub>O and 1 MeOH mol. The 2 cations adopt conformations that differ by an almost 180° rotation with respect to the piperidinopyrrolidine side chain. The cyclopropyl ring and the methoxy group are not coplanar with the quinoline ring system. The carboxylic acid function, the protonated terminal piperidyl N atom, the H<sub>2</sub>O mol., the chloride ion and the MeOH mol. participate in O-H···O, O-H···Cl, N-H···O and N-H···Cl H bonding, linking the mols. into extended 2-dimensional networks.

REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:523453 CAPLUS

DOCUMENT NUMBER: 143:48135

TITLE: Process for the preparation of polymorphic crystalline forms of the antibiotic moxifloxacin hydrochloride

INVENTOR(S): Turchetta, Stefano; Massardo, Pietro; Aromatario, Valentina

PATENT ASSIGNEE(S): Chemi S.p.A., Italy

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005054240	A1	20050616	WO 2004-EP52699	20041028
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1685130	A1	20060802	EP 2004-791330	20041028
EP 1685130	B1	20081210		
R: DE, ES, FR, GB, IT				
JP 2007511580	T	20070510	JP 2006-540424	20041028
US 20070072895	A1	20070329	US 2006-580173	20060522
PRIORITY APPLN. INFO.:			IT 2003-MI2259	A 20031120
			US 2003-532779P	P 20031224
			WO 2004-EP52699	W 20041028

AB A process for the preparation of polymorphic crystalline forms of the antibiotic

moxifloxacin hydrochloride comprises: (A) suspending moxifloxacin hydrochloride in a solvent selected from an alc. and a polyalc.; (B) heating the mixture under reflux; (C) cooling; (D) isolating the product which is separated (crystal form A); and



addnl., (E) reslurrying the solid at reflux in a solvent selected from alcs. and polyols, or their mixts. thereof, in which the resulting mixture has an overall water content of between 2.5% and 0.01% by weight; and (F) isolating the product (crystal form B). These  
moxifloxacin hydrochloride polymorphic crystalline forms have increased stability for use in pharmaceutical formulations.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:902187 CAPLUS

DOCUMENT NUMBER: 141:370574

TITLE: Preparation of a crystalline form III of anhydrous moxifloxacin hydrochloride and a process for preparation thereof

INVENTOR(S): Reddy, Manne Satyanarayana; Eswaraiah, Sajja; Raju, Vetukuri Venkata Naga Kali Vara Prasada; Kumar, Rapolu Rajesh; Srinivasreddy, Ningam; Ravindra, Vedantham

PATENT ASSIGNEE(S): Reddy's Laboratories Limited, India; Reddy's Laboratories, Inc.

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004091619	A1	20041028	WO 2004-US11031	20040409
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
IN 2003MA00308	A	20050304	IN 2003-MA308	20030409
CA 2521398	A1	20041028	CA 2004-2521398	20040409
US 20050137227	A1	20050623	US 2004-822154	20040409
US 7230006	B2	20070612		
EP 1615645	A1	20060118	EP 2004-759378	20040409
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
IN 2005CN02833	A	20060210	IN 2005-CN2833	20051031
PRIORITY APPLN. INFO.:			IN 2003-MA308	A 20030409
			WO 2004-US11031	W 20040409

AB A new crystalline form III of moxifloxacin monohydrochloride (I) and processes for making the crystalline form as well as compns., pharmaceutical compns., and methods utilizing the crystalline form are described. Thus, I was prepared and soluble granules contained crystalline form III of anhydrous I 400, CaCO<sub>3</sub>800, citric

acid 900, Avicel 40, mannitol 625, maltodextrin 15, aspartame 3, and aroma 20 mg.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:390247 CAPLUS

DOCUMENT NUMBER: 140:412313

TITLE: Process for the preparation of amorphous  
moxifloxacin hydrochloride

INVENTOR(S): Biswas, Sujay; Bose, Prosenjit; Kumar, Yatendra

PATENT ASSIGNEE(S): Ranbaxy Laboratories Limited, India

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004039804	A1	20040513	WO 2003-IB4845	20031030
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003278418	A1	20040525	AU 2003-278418	20031030
EP 1562942	A1	20050817	EP 2003-769724	20031030
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20060252789	A1	20061109	US 2005-533246	20050429
IN 2005DN02579	A	20071221	IN 2005-DN2579	20050614
PRIORITY APPLN. INFO.:			IN 2002-DE1096	A 20021031
			WO 2003-IB4845	W 20031030

AB An crystallization amorphous form of moxifloxacin hydrochloride and processes for preparing amorphous moxifloxacin hydrochloride are presented (e.g., dissoln. in methanol, heating, and spray drying).

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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